

FIG. 1

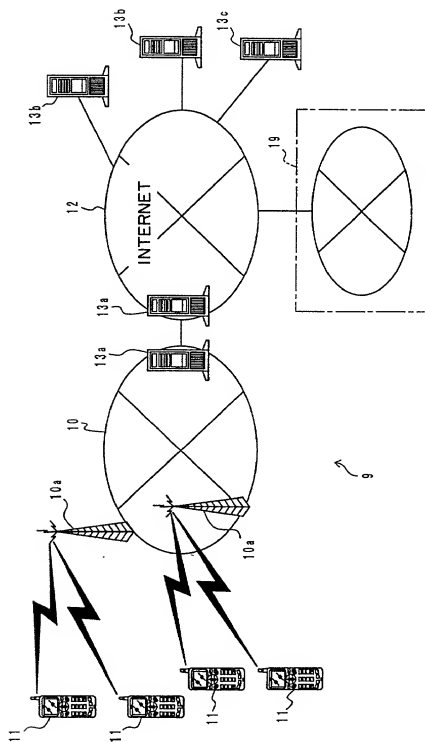


FIG. 2

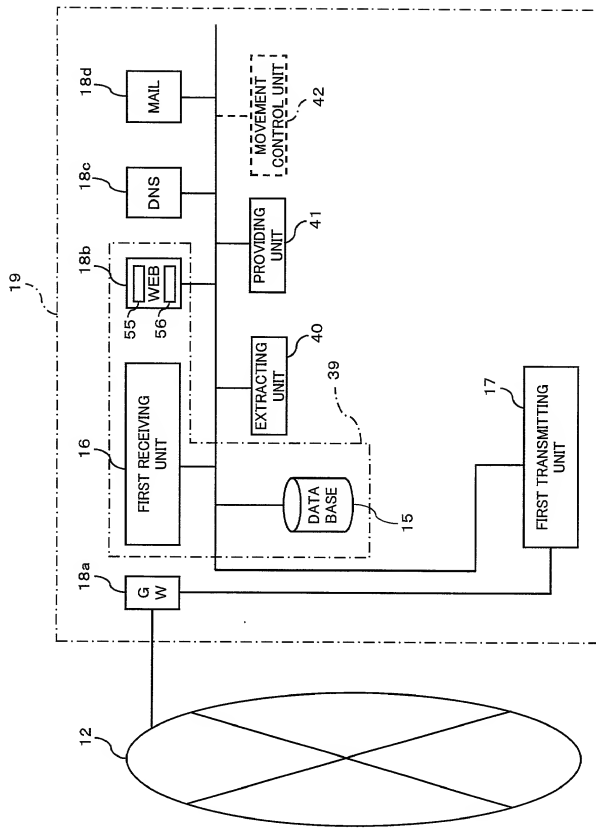


FIG. 3

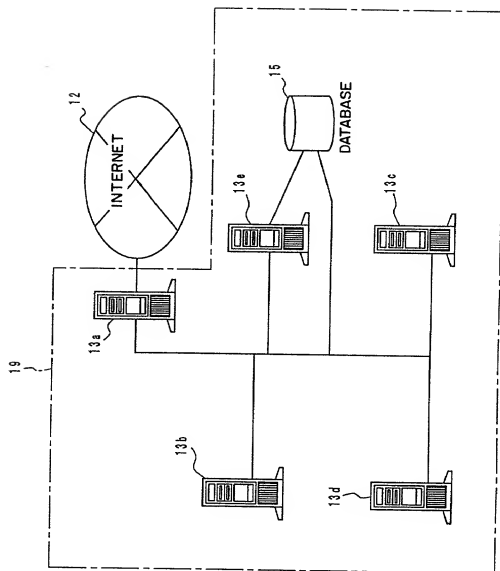


FIG. 4

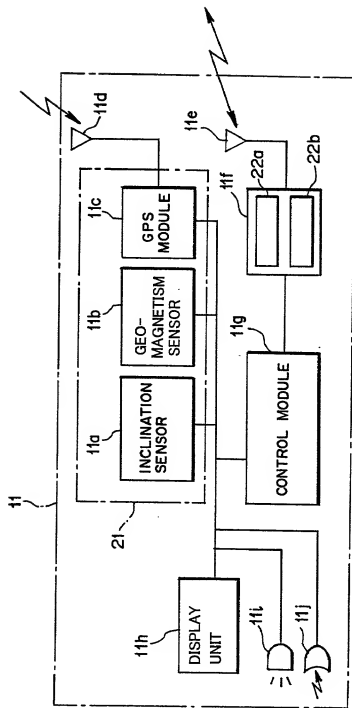


FIG. 5

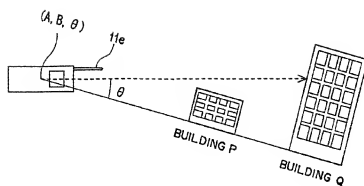


FIG. 6

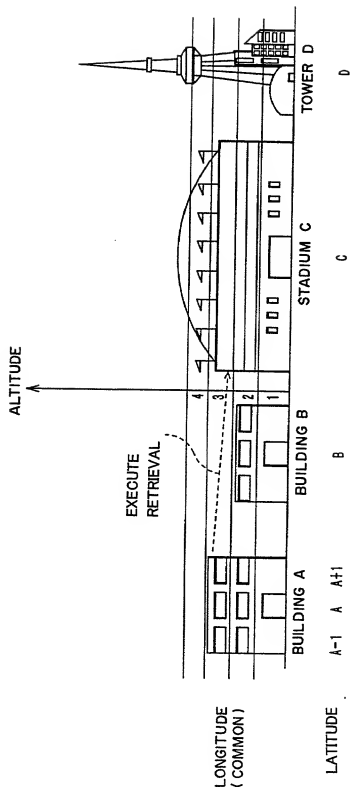


FIG. 7

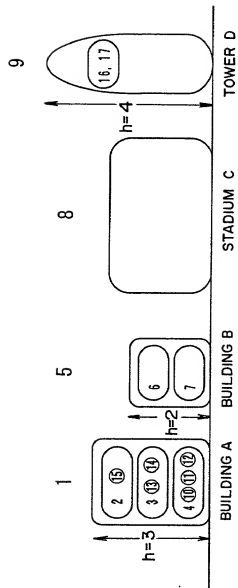


FIG. 8

15

BUBBLE NUMBER	SPACE OCCUPATION INFORMATION	URL
1	A/X/0/3	<u>http://www.xxx.100</u>
2	A/X/3/1	<u>http://www.xxx.101</u>
3	A/X/2/1	<u>http://www.xxx.102</u>
4	A/X/1/1	<u>http://www.xxx.103</u>
5	B/X/0/2	<u>http://www.xxx.200</u>
6	B/X/2/1	<u>http://www.xxx.201</u>
7	B/X/1/1	<u>http://www.xxx.202</u>
8	C/X/0/3	<u>http://www.xxx.300</u>
9	D/X/0/4	<u>http://www.xxx.400</u>
10	A-1/X/1/0.5	<u>http://www.xxx.110</u>
11	1/X/1/0.5	<u>http://www.xxx.111</u>
12	A+1/X/1/0.5	<u>http://www.xxx.112</u>
13	A-1/X/2/0.5	<u>http://www.xxx.120</u>
14	A/X/2/0.5	<u>http://www.xxx.121</u>
15	A/X/3/0.5	<u>http://www.xxx.130</u>
16	D/X/4/0.5	<u>http://www.xxx.410</u>
17	D/X/4/0.5	<u>http://www.xxx.411</u>

FIG. 9

BUBBLE NUMBER	SPACE OCCUPATION INFORMATION (LATITUDE/LONGITUDE/ ALTITUDE/BUBBLE RADIUS)	OBJECT URL	CONTENTS NAME
1	149° 22' 20" / 62° 11' 11" /30/5	http://www.nifty.ne.jp/gps/user/mori/index.html	BUILDING A
2	149° 21' 15" / 62° 09' 04" /15/20	http://www.nifty.ne.jp/gps/user/yashi/index.html	BUILDING B (RESTAURANT)
3	149° 19' 12" / 62° 14' 07" /50/200	http://www.nifty.ne.jp/gps/com/fujitsu/index.html	STADIUM C
4			

FIG. 10

13b (18b)

RESTAURANT

- MENU
- OPENING
HOUR

A STAFF WANTED

ADDRESSER B

GOD ROE PASTA IS
CHEAP AND
DELICIOUS,
AS WELL.

FIG. 11(a)

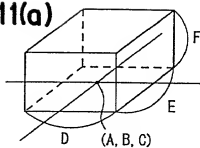


FIG. 11(b)

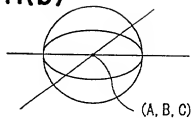


FIG. 11(c)

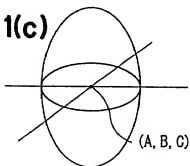


FIG. 11(d)

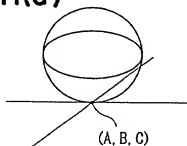


FIG. 11(e)

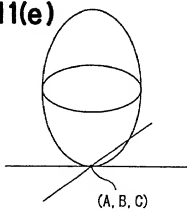


FIG. 11(f)

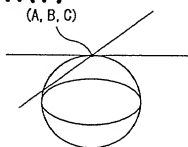


FIG. 11(g)

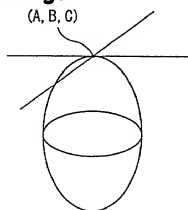


FIG. 11(h)

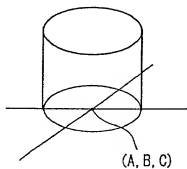


FIG. 12

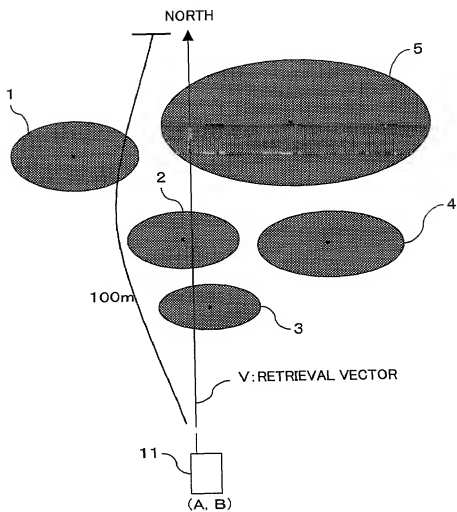


FIG. 13(a)

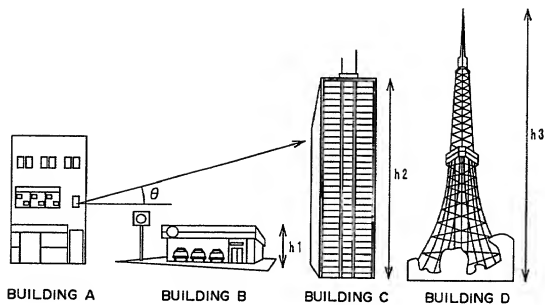


FIG. 13(b)

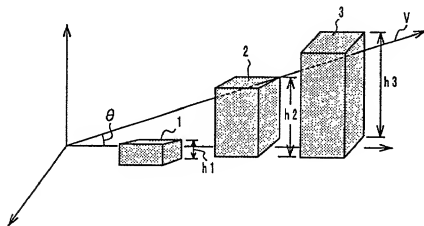


FIG. 14

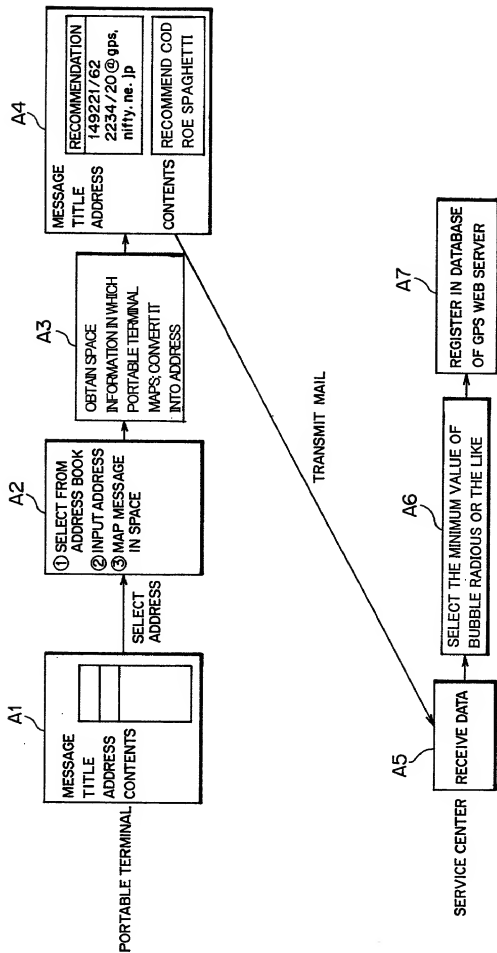


FIG. 15

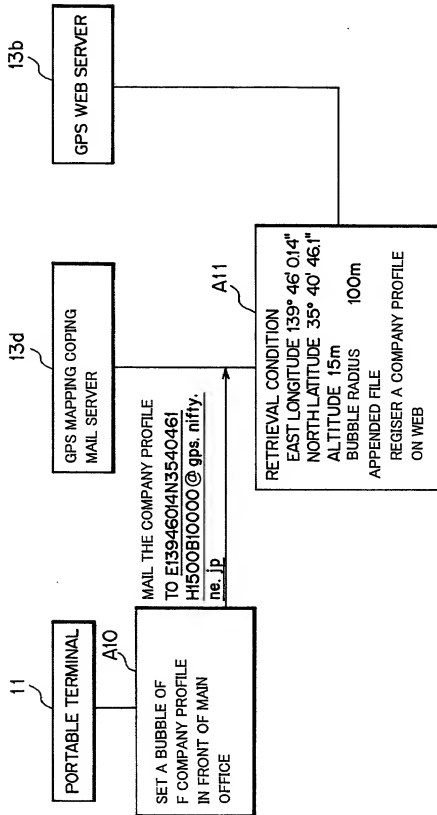


FIG. 16

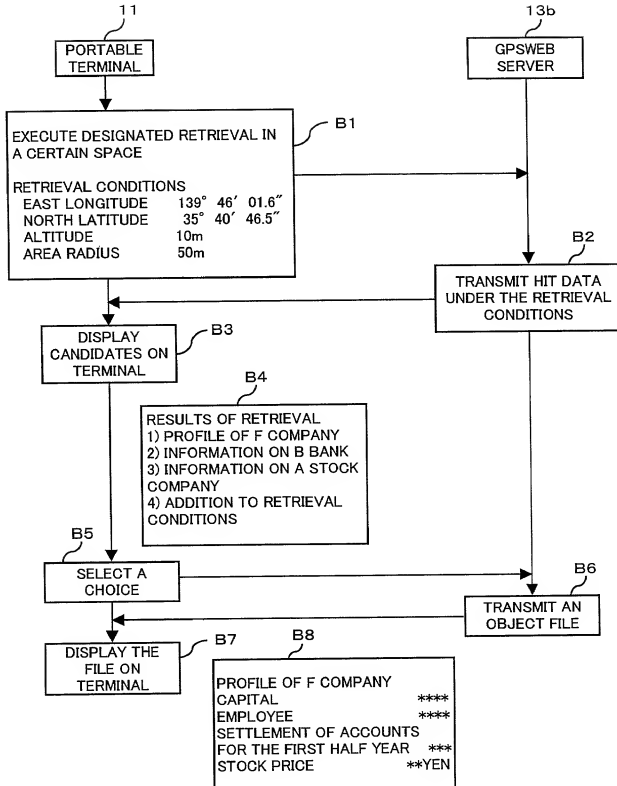


FIG. 17

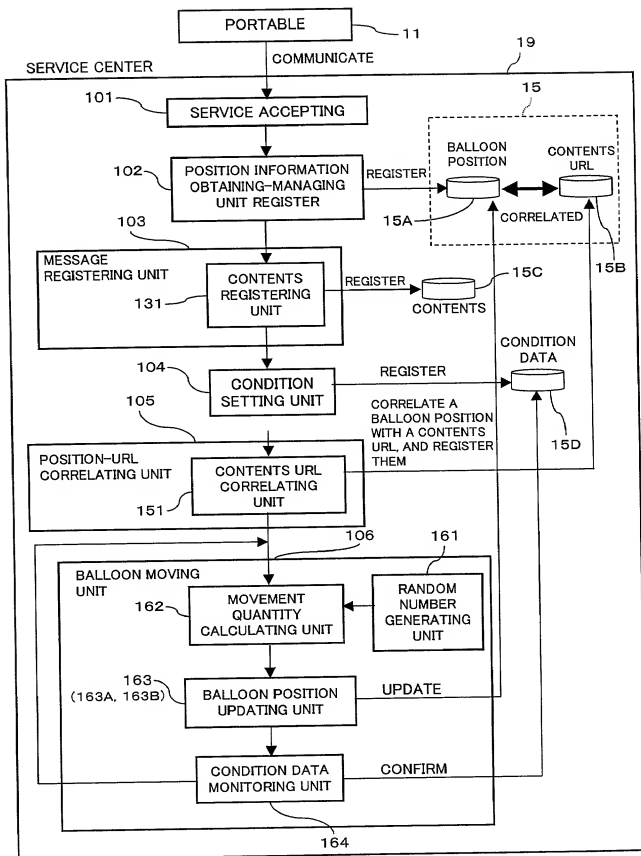


FIG. 18

11: PORTABLE TERMINAL

19: SERVICE CENTER

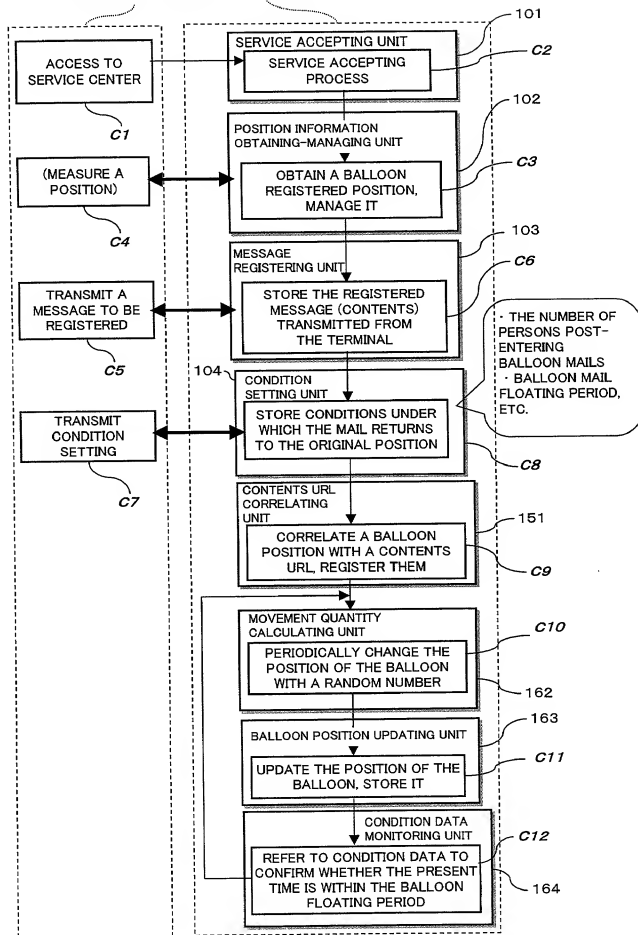


FIG. 19

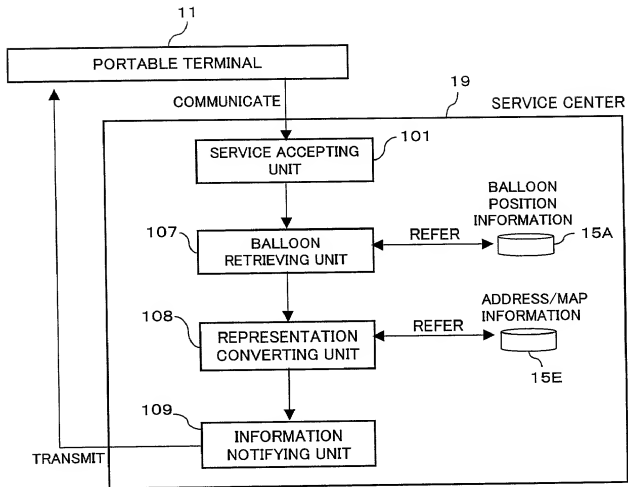


FIG. 20

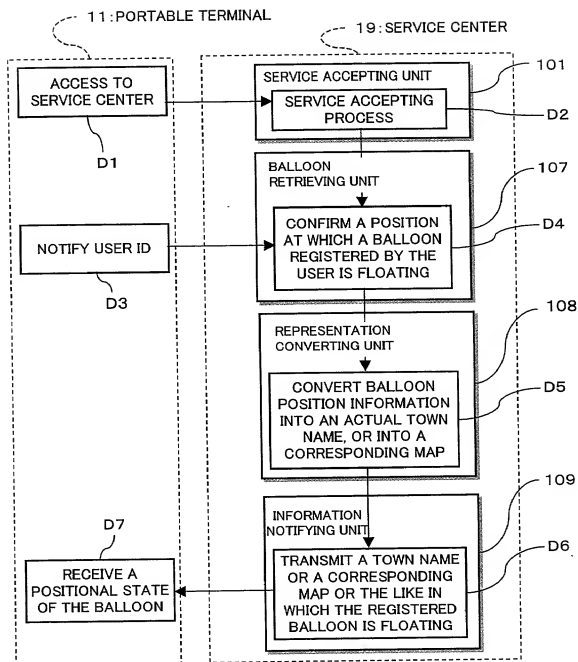


FIG. 21

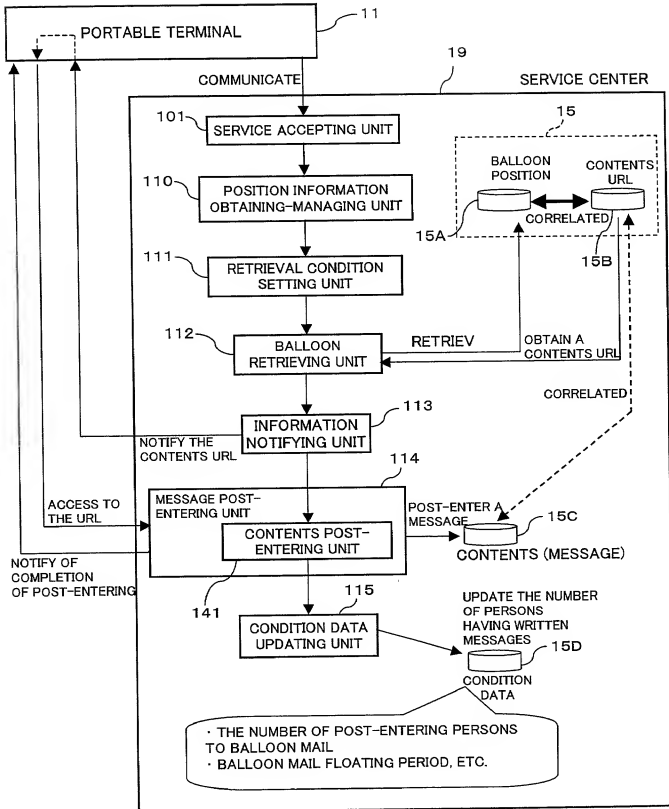


FIG. 22

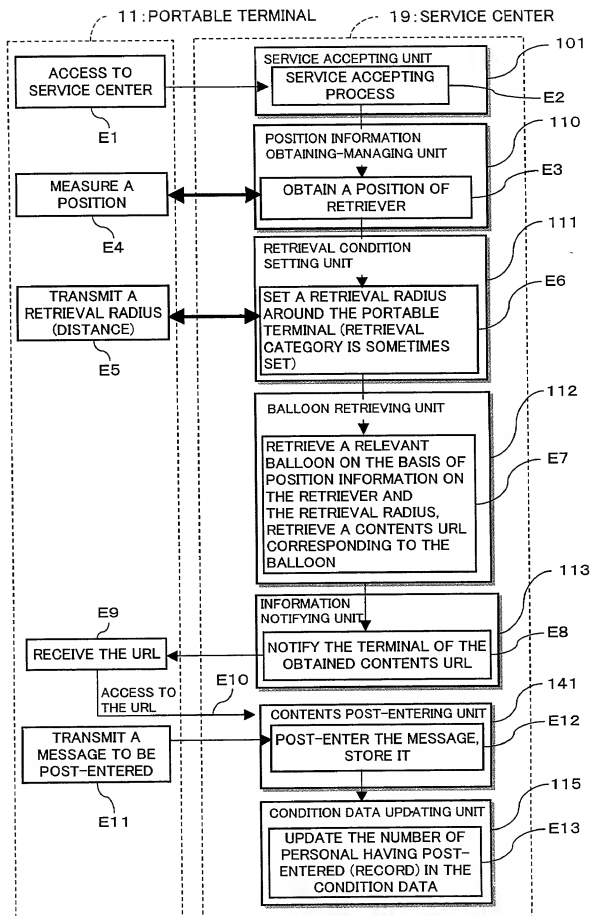


FIG. 23

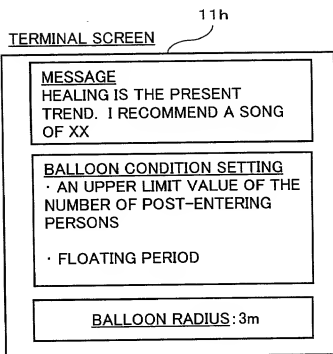


FIG. 25

15

15-1 BALLOON NUMBER	15A BALLOON POSITION (LATITUDE/LONGITUDE/ ALTITUDE/BUBBLE RADIUS)	15B CONTENTS URL	TITLE/ SUMMARY	TYPE OF INFORMATION	USER IDENTIFIER
1	149/22/3/3	https://www.xx.ne.jp/service/1/xx.html	THIS YEAR ...	BALLOON MAIL	USER 1
2	150/25/50/100	https://www.xx.ne.jp/service/1/xxx.html	RECOMMEND THIS SONG FOR HEALING	BALLOON MAIL	USER 2
3	139/35/18/100	https://www.xx.com/profile.html	PROFILE OF F COMPANY	COMPANY	USER 3
:	:	:	:	:	:

FIG. 26

PRESENT BALLOON POSITION: N35° 22' 20"	
CHANGE (RANDOM VALUE):	-20"
<hr/>	
NEW BALLOON POSITION: N35° 22' 00"	

※VALUE OF EACH OF LATITUDE, LONGITUDE AND ALTITUDE
CAN BE CHANGED BY A RANDOM VALUE

FIG. 27

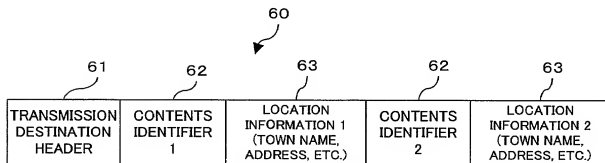


FIG. 28

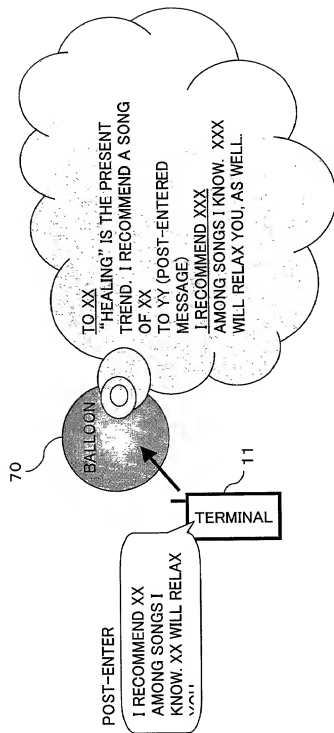


FIG. 29

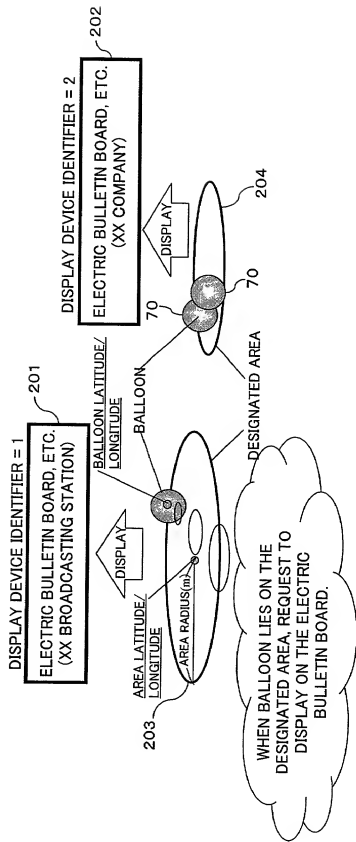


FIG. 30

205

DISPLAY DEVICE IDENTIFIER	DESIGNATED AREA (LATITUDE/LONGITUDE /AREA RADIUS)	MESSAGE NOTIFYING COMPANY
1	N139/E35/30	XX BROADCASTING STATION
2	N139/E36/30	XX COMPANY
3	N140/E35/30	XX BROADCASTING STATION
:	:	:

FIG. 31

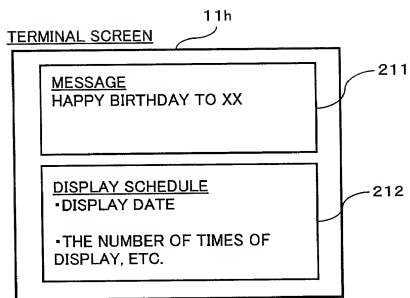


FIG. 32

206
↙

REGISTERED MESSAGE IDENTIFIER	CONTENTS OF REGISTERED MESSAGE
MESSAGE 1	HAPPY BIRTHDAY TO XX
MESSAGE 2	ON SALE FOR 30 MINUTES FROM NOW. DROP INTO XX SHOE SHOP

FIG. 33

207
↙

USER NAME	REGISTERED MESSAGE IDENTIFIER	DISPLAY SCHEDULE (DATE, TIME, THE NUMBER OF TIMES)
A	MESSAGE 1	2001/1/15 /18:00/1
B	MESSAGE 2	2001/1/12/15:00/2

FIG. 34

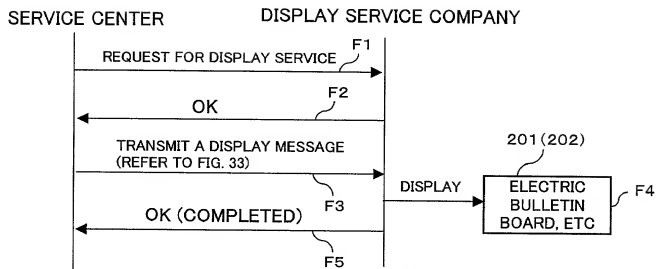


FIG. 35

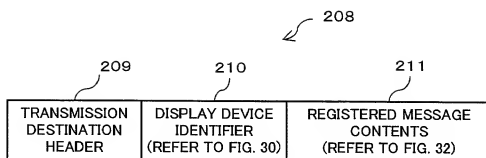


FIG. 36

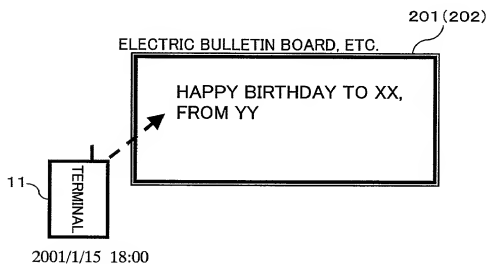


FIG. 37

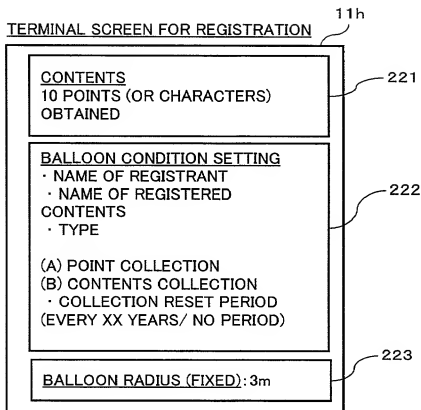


FIG. 38

224



REGISTERED USER IDENTIFIER	CONTENTS IDENTIFIER	COLLECTION TYPE	MAXIMUM VALUE OF COLLECTION	COLLECTION REST PERIOD
USER 1	CONTENTS 1	POINT COLLECTION	—	1 YEAR
USER 2	CONTENTS 2	COLLECTION	6	—

FIG. 39

15

BALLOON NUMBER	15A		15B	
	BALLOON POSITION (LATITUDE/LONGITUDE/ALTITUDE /BUBBLE RADIUS)	CONTENTS URL	TITLE/SUMMARY	
1	148/22/3/3	http://www.x	XX DEPARTMENT STORE	
2	150/25/3/3	http://www.x	ZOO CHARACTER 1	
3	150/24/3/3	http://www.x	ZOO CHARACTER 2	
4	150/23/3/3	http://www.x	ZOO CHARACTER 3	

FIG. 40

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USER IDENTIFIER	CONTENTS IDENTIFIER	COLLECTION TYPE	MAXIMUM VALUE OF COLLECTION	ACCUMULATION RESULT (RECORD)
USER 1	CONTENTS 1	POINT COLLECTION	—	25 POINTS
USER 2	CONTENTS 2	CONTENTS COLLECTION	6	1,3,4,5,6

(THE SECOND CONTENTS ARE NOT YET COLLECTED)

FIG. 41

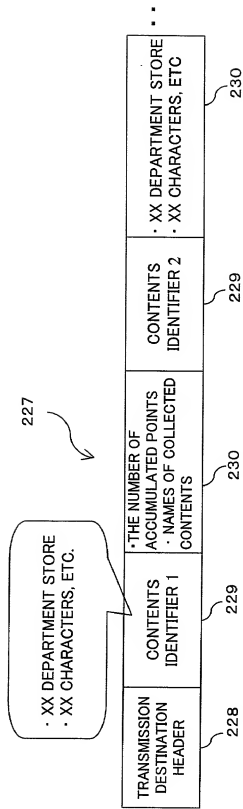


FIG. 42

TERMINAL SCREEN AFTER
CONFIRMATION OF RESULT

11h

XX DEPARTMENT STORE
• 25 POINTS ACCUMULATED.

XX CHARACTER

- ○ ○
- △ △
- ○ ◇ COLLECTED

XX ZOO

- GIRAFFE CHARACTER
- ELEPHANT CHARACTER
COLLECTED

FIG. 43

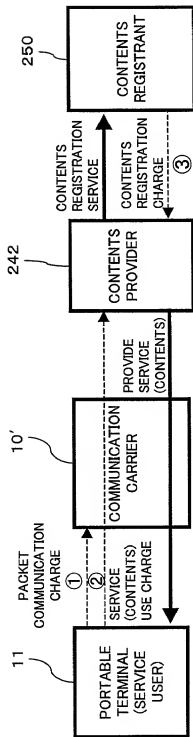


FIG. 44

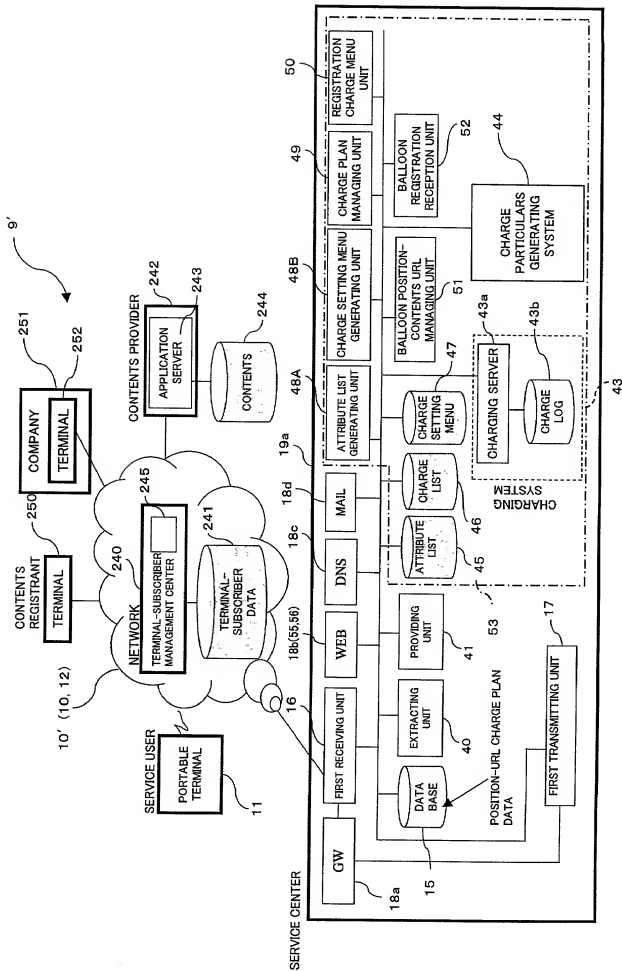


FIG. 45

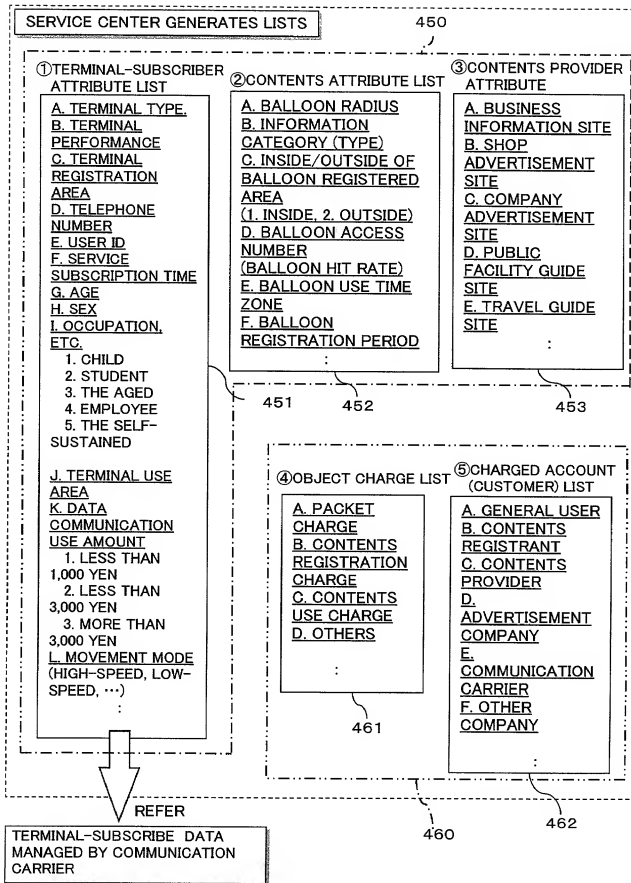


FIG. 46

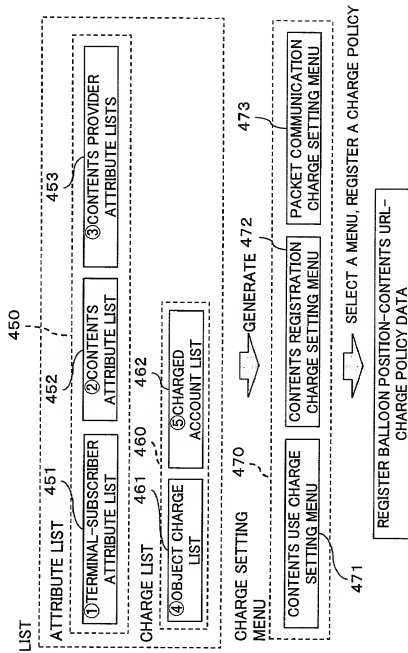


FIG. 47

481: CHARGE POLICY DATA (CONTENTS USE CHARGE)
BALLOON NUMBER

BALLOON NUMBER	CHARGE CONDITION	OBJECT CHARGE	CHARGE	CHARGED ACCOUNT
1	②-C-2	④-C	30 YEN/EACH	⑤-A
2	③-D OR ③-E	④-C	100 YEN/MONTH	⑤-D
3	—	④-C	FREE	—

FIG. 48

482: CHARGE POLICY DATA
(CONTENTS REGISTRATION CHARGE)

BALLOON NUMBER	CHARGE CONDITION	OBJECT CHARGE	CHARGE	CHARGED ACCOUNT
1	②-A AND ②-F	④-B	10,000 YEN/DAY	⑤-B
2	②-D AND ③-D	④-B	30 YEN/EACH	⑤-B
3	②-A AND ②-F (3M & 1 WEEK)	④-B	FREE	—

FIG. 49

483: CHARGE POLICY DATA (PACKET CHARGE)

BALLOON NUMBER	CHARGE CONDITION	OBJECT CHARGE	CHARGE	CHARGED ACCOUNT
1	②-E(18:00-21:00)	④-A	MEASURED RATE	⑤-F
2	③-D OR ③-E	④-A	MEASURED RATE	⑤-C
3	—	④-A	MEASURED RATE	⑤-A

FIG. 50

15-2: BALLOON POSITION-CONTENTS URL-CHARGE POLICY DATA

15-1									
15A					15B				
BALLOON NUMBER	BALLOON POSITION (LATITUDE/LONGITUDE/ALTITUDE/BALLOON RADIUS)	CONTENTS URL	TITLE/SUMMARY	REGISTRANT IDENTIFIER	INFORMATION CATEGORY	CHARGE POLICY DATA			
						CONTENTS USE CHARGE	CONTENTS REGISTRATION CHARGE	PACKET COMMUNICATION CHARGE	
1	149/22/3/3	http://aa	THE SOCCER FINALS	EVENT COMPANY A	EVENT INFORMATION	REFER TO FIG. 47	REFER TO FIG. 48	REFER TO FIG. 49	
2	150/25/50/100	http://bb	IZU TRAVEL GUIDE	TRAVEL ASSOCIATION B	TRAVEL GUIDE	"	"	"	
3	150/25/2/20	http://cc	SHIBUYA BULLETIN BOARD	SERVICE CENTER C	BULLETIN BOARD	"	"	"	
...	

481

482

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483

482

481

FIG. 51

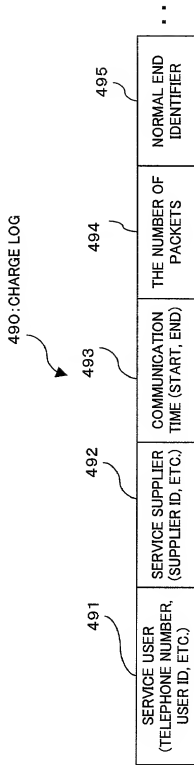


FIG. 52

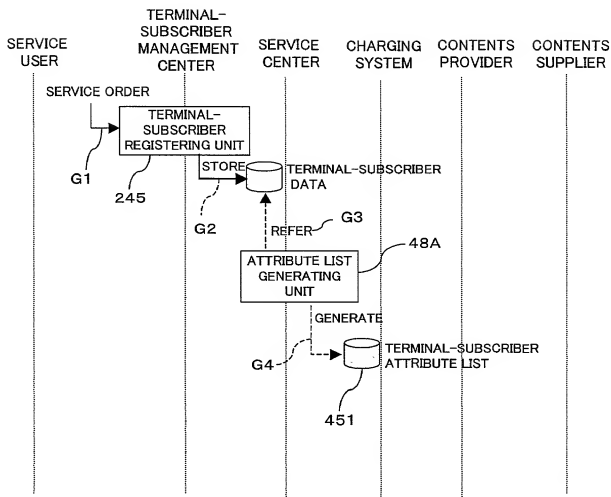


FIG. 54

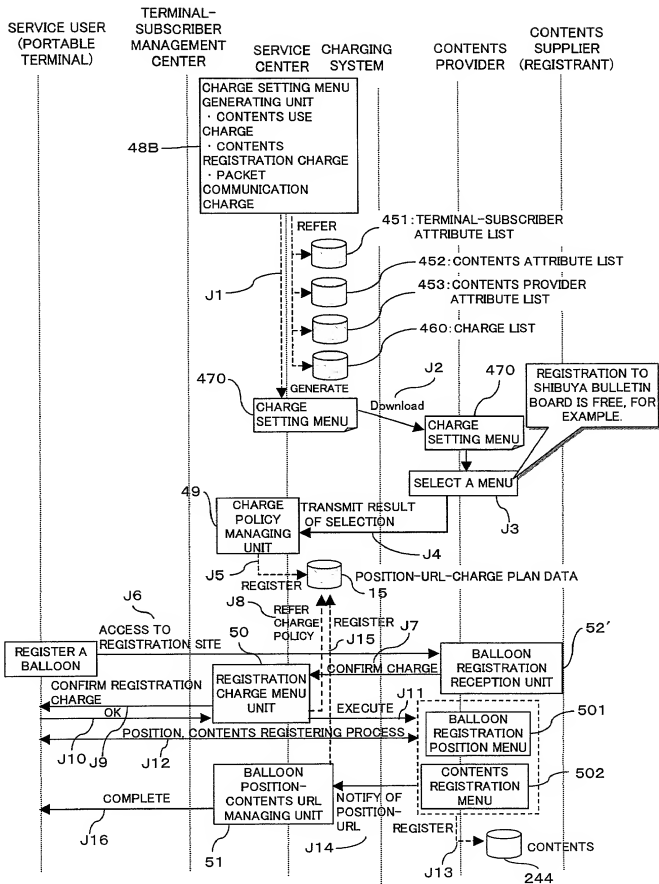


FIG. 55(a)

① TERMINAL-SUBSCRIBER
ATTRIBUTE LIST

A. TERMINAL TYPE
B. TERMINAL PERFORMANCE
C. TERMINAL REGISTRATION AREA
D. TELEPHONE NUMBER
E. USER ID
F. SERVICE SUBSCRIPTION TIME
G. AGE
H. SEX
I. OCCUPATION, ETC.
J. TERMINAL USE AREA
K. DATA COMMUNICATION USE AMOUNT
L. MOVEMENT MODE

FIG. 55(b)

② CONTENTS
ATTRIBUTE LIST

A. BALLOON RADIUS
B. INFORMATION CATEGORY (TYPE)
C. INSIDE/OUTSIDE OF BALLOON REGISTERED AREA (1. INSIDE, 2. OUTSIDE)
D. BALLOON ACCESS NUMBER
E. BALLOON USE TIME ZONE
F. BALLOON REGISTRATION PERIOD

1.6:00-17:00
2.17:00-22:00
3.23:00-6:00

"SELECT"

453

1. CHILD
2. STUDENT
3. THE AGED

"SELECT"

"SELECT"

451

FIG. 55(d)

④ OBJECT CHARGE LIST

A. PACKET CHARGE
B. CONTENTS REGISTRATION CHARGE
C. CONTENTS USE CHARGE
D. OTHERS

"SELECT"

461

CHARGE SETTING
1. DOLLAR
2. YEN

CURRENCY

"SELECT"

200

FREQUENCY OF COLLECTION

1. YEN/YEAR
2. YEN/MONTH
3. YEN/DAY
4. YEN/EACH

"SELECT"

461a

FIG. 55(e)

⑤ CHARGED ACCOUNT
(CUSTOMER) LIST

A. GENERAL USER
B. CONTENTS REGISTRANT
C. CONTENTS PROVIDER
D. ADVERTISEMENT COMPANY
E. COMMUNICATION CARRIER
F. OTHER COMPANY

COMPANY NAME
F. COMPANY

"SELECT"

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FIG. 56(a)

② CONTENTS ATTRIBUTE LIST

A. BALLOON RADIUS

B. INFORMATION CATEGORY (TYPE) 1. 3m 2. 5m 3. 10m "SELECT"

C. INSIDE/OUTSIDE OF BALLOON REGISTERED AREA (1. INSIDE, 2. OUTSIDE)

D. BALLOON ACCESS NUMBER (BALLOON HIT RATE)

E. BALLOON USE TIME ZONE

F. BALLOON REGISTRATION PERIOD

1. 1 YEAR 2. 3 YEARS 3. 5 YEARS "SELECT"

452

FIG. 56(b)

③ CONTENTS PROVIDER ATTRIBUTE

A. BUSINESS INFORMATION SITE

B. SHOP ADVERTISEMENT SITE

C. COMPANY ADVERTISEMENT SITE

D. PUBLIC FACILITY GUIDE SITE

E. TRAVEL GUIDE SITE

1. CHINESE NOODLE INFORMATION 2. SUSHI INFORMATION "SELECT"

453

FIG. 56(c)

④ OBJECT CHARGE LIST

A. PACKET CHARGE

B. CONTENTS REGISTRATION CHARGE

C. CONTENTS USE CHARGE

D. OTHERS "SELECT"

CHARGE SETTING 1. DOLLAR 2. YEN "SELECT"

CURRENCY 10,000 YEN/YEAR (CHARGE IS FIXED FOR EACH OF THE ABOVE SETTING)

461a

461

FIG. 56(d)

⑤ CHARGED ACCOUNT LIST

B. CONTENTS REGISTRANT (CONTENTS PROVIDER BEFOREHAND DECIDES)

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FIG. 57(a)

②CONTENTS ATTRIBUTE LIST

A. BALLOON RADIUS

B. INFORMATION CATEGORY (TYPE) 1. 3m 2. 5m 3. 10m "SELECT"

C. INSIDE/OUTSIDE OF BALLOON

REGISTERED AREA (1. INSIDE, 2. OUTSIDE)

D. BALLOON ACCESS NUMBER (BALLOON HIT RATE)

E. BALLOON USE TIME ZONE

F. BALLOON REGISTRATION PERIOD

1. 1 DAY
2. 3 DAYS
3. 1 WEEK "SELECT"

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FIG. 57(b)

③CONTENTS PROVIDER ATTRIBUTE

A. BUSINESS INFORMATION SITE 1. News 2. STOCK PRICE "SELECT"

B. SHOP ADVERTISEMENT SITE

C. COMPANY ADVERTISEMENT SITE

D. PUBLIC FACILITY GUIDE SITE

E. TRAVEL GUIDE SITE

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FIG. 57(c)

④OBJECT CHARGE LIST

A. PACKET CHARGE

B. CONTENTS REGISTRATION CHARGE "SELECT"

C. CONTENTS USE CHARGE

D. OTHERS

CHARGE SETTING 1. DOLLAR 2. YEN "SELECT"

CURRENCY 1,000 FREQUENCY OF COLLECTION

1. YEN/YEAR
2. YEN/MONTH
3. YEN/DAY
4. YEN/EACH "SELECT"

461

461a

FIG. 57(d)

⑤CHARGED ACCOUNT (CUSTOMER) LIST

A. GENERAL USER

B. CONTENTS REGISTRANT "SELECT"

C. CONTENTS PROVIDER

D. ADVERTISEMENT COMPANY

E. COMMUNICATION CARRIER

F. OTHER COMPANY

462

FIG. 58(a)

① TERMINAL-SUBSCRIBER
ATTRIBUTE LIST

A. TERMINAL TYPE

B. TERMINAL 1.FJ001

C. TERMINAL

D. REGISTRATION AREA

E. USER ID

F. SERVICE

G. SUBSCRIPTION TIME

H. AGE

I. SEX

J. OCCUPATION, ETC.

K. TERMINAL USE AREA

L. DATA COMMUNICATION USE AMOUNT

M. MOVEMENT MODE

451

FIG. 58(b)

② CONTENTS ATTRIBUTE LIST

A. BALLOON RADIUS

B. INFORMATION CATEGORY (TYPE)

C. INSIDE/OUTSIDE OF BALLOON AREA

D. BALLOON NUMBER

E. BALLOON ADVERTISEMENT ZONE

F. BALLOON REGISTRATION PERIOD

1. BULLETIN BOARD

2. TIME TABLE

3. SHOP ADVERTISEMENT

452

FIG. 58(c)

③ CONTENTS PROVIDER
ATTRIBUTE

A. BUSINESS INFORMATION SITE

B. SHOP ADVERTISEMENT SITE

C. COMPANY ADVERTISEMENT SITE

D. PUBLIC FACILITY GUIDE SITE

E. TRAVEL GUIDE SITE

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FIG. 58(d)

④ OBJECT CHARGE LIST

A. PACKET CHARGE

B. CONTENTS REGISTRATION CHARGE

C. CONTENTS USE CHARGE

D. OTHERS

461

CHARGE SETTING

1. DOLLAR

2. YEN

CURRENCY "SELECT"

2,000

FREQUENCY OF COLLECTION

EXECUTION CONTENTS

1. YEN/YEAR

2. YEN/MONTH

3. YEN/DAY

4. YEN/EACH

1. DISCOUNT

2. ADD

"SELECT"

461a

FIG. 58(e)

⑤ CHARGED ACCOUNT
(CUSTOMER) LIST

A. GENERAL USER

B. CONTENTS REGISTRANT

C. CONTENTS PROVIDER

D. ADVERTISEMENT COMPANY

E. COMMUNICATION CARRIER

F. OTHER COMPANY

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1.F COMPANY

"SELECT"

FIG. 59

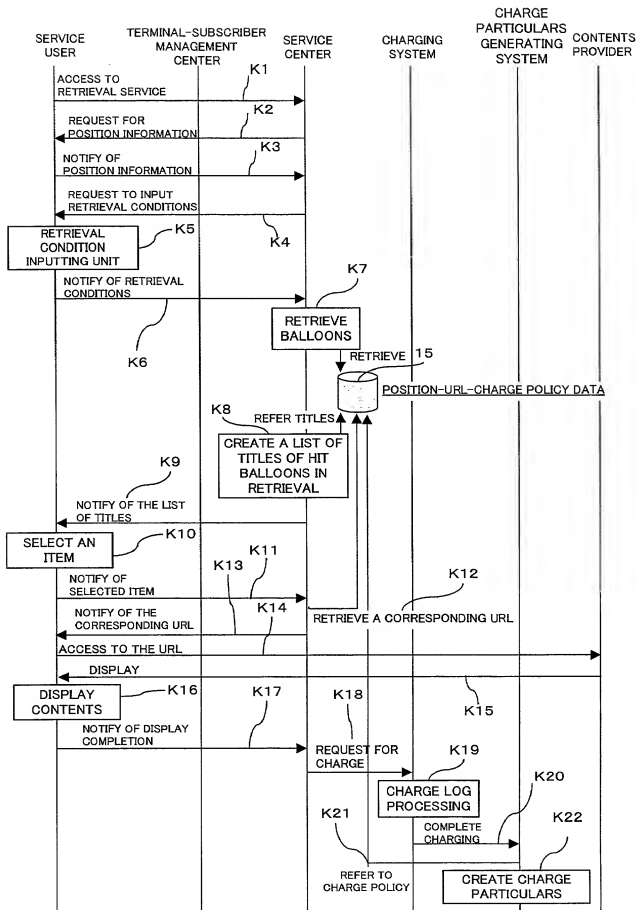


FIG. 60

15-2: BALLOON POSITION-CONTENTS URL-CHARGE POLICY DATA

15-1

15A			15B		480				484	
BALLOON NUMBER	BALLOON POSITION (LATITUDE/LONGITUDE/ALTITUDE/BALLOON RADIUS)	CONTENTS URL	TITLE/SUMMARY	REGISTRANT IDENTIFIER	INFORMATION CATEGORY	CONTENTS USE CHARGE	CONTENTS REGISTRATION CHARGE	PACKET COMMUNICATION CHARGE	PERMISSION FLAG	
1	149/22/3/3	http://aa	THE SOCCER FINALS	EVENT COMPANY A	EVENT INFORMATION	REFER TO FIG. 47	REFER TO FIG. 48	REFER TO FIG. 49	YES	
2	150/25/50/100	http://bb	IZU TRAVEL INFORMATION	TRAVEL ASSOCIATION B	TRAVEL GUIDE	"	"	"	YES	
3	150/25/2/20	http://cc	SHIBUYA BULLETIN BOARD	SERVICE CENTER C	BULLETIN BOARD	"	"	"	NO	
...	

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482

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